



\*\*FILE\*\*ID\*\*CENTXT

N 13

CCCCCCCC CCCCCCCC EEEEEEEEEE EEE  
NN NN TTTTTTTTTT XX XX TTTTTTTTTT  
CC EE NN NN TT XX XX TT  
CC EE NNNN NN TT XX XX TT  
CC EE NNNN NN TT XX XX TT  
CC EEEEEEEE NN NN NN TT XX XX TT  
CC EEEEEEEE NN NN NN TT XX XX TT  
CC EE NNNN TT XX XX TT  
CC EE NNNN TT XX XX TT  
CC EE NN NN TT XX XX TT  
CC EE NN NN TT XX XX TT  
CC EE NN NN TT XX XX TT  
CC EEEEEEEE NN NN NN TT XX XX TT  
CC EEEEEEEE NN NN NN TT XX XX TT

.....  
.....  
.....

LL IIIII SSSSSSSS  
LL IIIII SSSSSSSS  
LL SS SS  
LL SS SS  
LL SS SS  
LL SSSSSS SSSSSS  
LL SSSSSS SSSSSS  
LL SS SS  
LL SS SS  
LL SS SS  
LLLLLLLLL IIIII SSSSSSSS  
LLLLLLLLL IIIII SSSSSSSS

CL  
VO

```
1 0001 0 MODULE CENTXT (
2 0002 0 IDENT = 'V04-000'!
3 P 0003 0 XBLISS32[
4 P 0004 0 ADDRESSING_MODE(INTERNAL=LONG_RELATIVE,NONEXTERNAL=LONG_RELATIVE)
5 0005 0 ]
6 0006 0 )
7 0007 1 BEGIN
8 0008 1 ****
9 0009 1 ****
10 0010 1 *
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28 0028 1 *
29 0029 1 *
30 0030 1 ****
31 0031 1 ****
32 0032 1 ++
33 0033 1 FACILITY: DSR (Digital Standard RUNOFF) / DSRPLUS
34 0034 1 ABSTRACT: Centers and outputs a single line of text.
35 0035 1
36 0036 1
37 0037 1
38 0038 1 ENVIRONMENT: Transportable
39 0039 1
40 0040 1 AUTHOR: R.W.Friday CREATION DATE: December, 1978
41 0041 1
```

CENTXT  
V04-000

Revision History

F 14  
15-Sep-1984 23:55:58  
14-Sep-1984 13:05:39 VAX-11 Bliss-32 V4.0-742  
[RUNOFF.SRC]CENTXT.BLI;1

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43 0042 1 %SBTTL 'Revision History'  
44 0043 1  
45 0044 1 MODIFIED BY:  
46 0045 1  
47 0046 1 002 KFA00002 Ken Alden 07-Mar-1983  
48 0047 1 Global edit of all modules. Updated module names, idents,  
49 0048 1 copyright dates. Changed require files to BLISS library.  
50 0049 1  
51 0050 1 !--

CLP  
VO4

53 0051 1 %SBTTL 'Module Level Declarations'  
54 0052 1  
55 0053 1  
56 0054 1 TABLE OF CONTENTS:  
57 0055 1  
58 0056 1  
59 0057 1 INCLUDE FILES:  
60 0058 1  
61 0059 1  
62 0060 1 LIBRARY 'NXPORT:XPORT'; ! XPORT Library  
63 0061 1 REQUIRE 'REQ:RNODEF'; ! RUNOFF variant definitions  
64 0192 1  
U 0193 1 %IF DSRPLUS %THEN  
U 0194 1 LIBRARY 'REQ:DPLLIB'; ! DSRPLUS BLISS Library  
67 0195 1 %ELSE  
68 0196 1 LIBRARY 'REQ:DSRLIB'; ! DSR BLISS Library  
69 0197 1 %FI  
70 0198 1  
71 0199 1  
72 0200 1 MACROS:  
73 0201 1  
74 0202 1  
75 0203 1 EQUATED SYMBOLS:  
76 0204 1  
77 0205 1  
78 0206 1 EXTERNAL LITERAL  
79 0207 1 RINTES : UNSIGNED (8);  
80 0208 1  
81 0209 1  
82 0210 1 OWN STORAGE:  
83 0211 1  
84 0212 1  
85 0213 1 EXTERNAL REFERENCES:  
86 0214 1  
87 0215 1  
88 0216 1 EXTERNAL  
89 0217 1 IRA,  
90 0218 1 KHAR,  
91 0219 1 SCA : SCA\_DEFINITION,  
92 0220 1 TSF : TSF\_DEFINITION;  
93 0221 1  
94 0222 1 EXTERNAL ROUTINE  
95 0223 1 ENDCHR,  
96 0224 1 OUTNJ,  
97 0225 1 RSKIP\$;  
98 0226 1

```
: 100    0227 1 GLOBAL ROUTINE CENTXT (TEXT_PTR, TEXT_LENGTH) =
: 101    0228 1
: 102    0229 1 ++
: 103    0230 1 FUNCTIONAL DESCRIPTION:
: 104    0231 1
: 105    0232 1 Beginning with the current position on the current record,
: 106    0233 1 CENTXT skips tabs and spaces until it encounters something
: 107    0234 1 else. If that "something else" is the end-of-record
: 108    0235 1 indicator (';' or RINTES), it outputs the text supplied.
: 109    0236 1 If the "something else" is not the end-of-record indicator,
: 110    0237 1 no text is output.
: 111    0238 1
: 112    0239 1 FORMAL PARAMETERS:
: 113    0240 1
: 114    0241 1 TEXT_PTR is a CH$PTR to the text to be centered and output.
: 115    0242 1 TEXT_LENGTH is the length of the text.
: 116    0243 1
: 117    0244 1 IMPLICIT INPUTS: None
: 118    0245 1
: 119    0246 1 IMPLICIT OUTPUTS: None
: 120    0247 1
: 121    0248 1 ROUTINE VALUE:
: 122    0249 1 COMPLETION CODES:
: 123    0250 1
: 124    0251 1 Returns TRUE if the text was centered and output (i.e.,
: 125    0252 1 end-of-record was found), otherwise FALSE.
: 126    0253 1
: 127    0254 1 SIDE EFFECTS: None
: 128    0255 1
: 129    0256 1 --
: 130    0257 1
: 131    0258 2 BEGIN
: 132    0259 2 LOCAL
: 133    0260 2 PTR;
: 134    0261 2
: 135    0262 2 !Determine if text was given on the current record.
: 136    0263 2 RSKIP$ (IRA); !Skip spaces and tabs.
: 137    0264 2
: 138    0265 2 IF .KCHAR EQL RINTES !
: 139    0266 2 OR .KCHAR EQL %C';'
: 140    0267 2 THEN
: 141    0268 2 !No text on the record. Output the specified text, centered.
: 142    0269 2 BEGIN
: 143    0270 2 PTR = .TEXT_PTR;
: 144    0271 2
: 145    0272 2 INCR I FROM 1 TO .TEXT_LENGTH DO
: 146    0273 2     ENDCHR (CH$RCHAR_A(PTR));
: 147    0274 2
: 148    0275 2 !Normally, the text will fit between the margins, since
: 149    0276 2 !this is not "user" text. However, just to be certain,
: 150    0277 2 !if it can't be centered, leave it far to the left.
: 151    0278 2 TSF ADJUST = MAX ((.SCA_RM - .SCA_LM - .TEXT_LENGTH)/2, 0);
: 152    0279 2 !Output the line containing the centered text.
: 153    0280 2 OUTNJ ();
: 154    0281 2 RETURN TRUE;
: 155    0282 2 END
: 156    0283 2 ELSE
```

```
: 157 0284 2 RETURN FALSE
: 158 0285 2
: 159 0286 1 END:
```

!End of CENTXT

.TITLE CENTXT  
.IDENT \V04-000\

.EXTRN RINTES, IRA, KHAR  
.EXTRN SCA, TSF, ENDCHR  
.EXTRN OUTNJ, RSKIPs

.PSECT SCODE\$, NOWRT, 2

			001C 00000	.ENTRY CENTXT, Save R2,R3,R4 ; 0227
		54 00000000G	EF 9E 00002	MOVAB KHAR, R4
		00000000G	EF 9F 00009	PUSHAB IRA
		00000000G	01 FB 0000F	CALLS #1, RSKIPs
		EF 00000000G	64 D1 00016	CMPL KHAR, #RINTES
		8F 00000000G	05 13 0001D	BEQL 1\$
		3B 00000000G	64 D1 0001F	CMPL KHAR, #59
		F1 00000000G	44 12 00022	BNEQ 5\$
		52 00000000G	53 04 AC D0 00024	MOVL TEXT_PTR, PTR
		08 00000000G	52 D4 00028	CLRL I
		51 00000000G	0A 11 0002A	BRB 3\$
		FF 00000000G	7E 83 9A 0002C	MOVZBL (PTR)+, -(SP)
		50 00000000G	EF 01 FB 0002F	CALLS #1, ENDCHR
		08 00000000G	52 00036	AOBLEQ TEXT_LENGTH, I, 2\$
		EF 00000000G	AC F3 0003B	MOVL TSF, R1
		FF 00000000G	EF D0 0003B	SUBL3 ASCA+116, ASCA+120, R0
		50 00000000G	51 C3 00042	SUBL2 TEXT_LENGTH, R0
		08 00000000G	50 C2 0004E	DIVL2 #2, R0
		50 00000000G	50 02 C6 00052	BGEQ 4\$
		28 00000000G	50 D4 00057	CLRL R0
		A1 00000000G	50 D0 00059	MOVL R0, 40(R1)
		EF 00000000G	00 FB 0005D	CALLS #0, OUTNJ
		50 00000000G	01 D0 00064	MOVL #1, R0
		50 00000000G	04 00067	RET
		50 00000000G	50 D4 00068	CLRL R0
		00000000G	55: 04 0006A	RET

; Routine Size: 107 bytes, Routine Base: SCODE\$ + 0000

```
: 160 0287 1
: 161 0288 1 END
: 162 0289 0 ELUDOM
```

!End of module

#### PSECT SUMMARY

Name	Bytes	Attributes
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CENTXT  
VO4-000

Module Level Declarations

G 14  
15-Sep-1984 23:55:58  
14-Sep-1984 13:05:39 VAX-11 Bliss-32 v4.0-742  
[RUNOFF.SRC]CENTXT.BLI;1

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: \$CODE\$

107 NOVEC,NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
\$255\$DUA28:[SYSLIB]XPORT.L32:1	590	0	0	252	00:00.1
-\$255\$DUA28:[RUNOFF.SRC]DSRLIB.L32:1	1248	9	0	86	00:00.3

COMMAND QUALIFIERS

: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LISS:CENTXT/OBJ=OBJ\$:CENTXT MSRC\$:CENTXT/UPDATE=(ENHS:CENTXT)

: Size: 107 code + 0 data bytes  
: Run Time: 00:03.3  
: Elapsed Time: 00:08.7  
: Lines/CPU Min: 5222  
: Lexemes/CPU-Min: 8566  
: Memory Used: 33 pages  
: Compilation Complete

0337 AH-BT13A-SE  
VAX/VMS V4.0

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SETUP	UR	ALINE	BARS	CARAGE	CLH	CENTXT
SAVSTK	REQ	LIS	LIS	LIS	LIS	LIS
TOCRTY	REQ	XTNTAB	AREC	CAPTION	CLH	CNTXT
SCA	REQ	REQ	LIS	LIS	LIS	LIS
TPROB	REQ	CNTVMSREQ	BOTPAG	LIS	LIS	LIS
TSF	REQ	R32	LIS	LIS	LIS	LIS
NOXUMSREQ			LIS	LIS	LIS	LIS
SAVE	REQ					